BRUHAT BANGALORE MAHANAGARA PALIKE

Project: Comprehensive Development for Roads and Drains In Ward No. 7 And 8 Under Nagarothana Grants of 2015-16 Phase-2, Kodigehalli Sub-Division, Yelahanka Zone, Byatarayanapura Division.

Sl No.	List of Roads
1	Improvements to Roads and Drains at Jakkur Layout Colony in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.
2	Improvements to Roads and Drains at Nethaji Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.
3	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.
4	Improvements to Roads and Drains in Shabari Bakery Road at Kempapura in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.
5	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.
6	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.
7	Improvements to Roads and Drains near Chikka Muniyappa house at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.
8	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.
9	Improvements to Roads and Drains Adjacent to St. Johns School at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.
10	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.
11	Improvements to Roads, Drains, Footpaths and UG Cable Duct near Sahakaranagar Railway Parallel Road from Railway Crossing to Temple Tree resort in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.
12	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.
13	Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.
14	Improvements to Roads and Drains Bhadrappa Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.
15	Improvements to Foothpaths at Sahakaranagar in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.
16	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.
17	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.
18	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.
19	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Opp. RMV Cluster Appartments to Railway Gate near Vyasa School in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.
20	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division
21	Construction of Bangalore One Centre Buliding at Balaji Layout and Kodigehalli Village in Ward No 08 Kodigehalli, Kodigehalli Sub Division

Abstract Estimate

Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
1	**KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)**	Cum	**10342.03**	186.92	**1933132.71**
a	Improvements to Roads and Drains at Jakkur Layout Colony in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		136.80		
b	Improvements to Roads and Drains at Nethaji Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		497.40		
c	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		198.20		
d	Improvements to Roads and Drains in Shabari Bakery Road at Kempapura in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		197.40		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		287.50		
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		466.35		
g	Improvements to Roads and Drains near Chikka Muniyappa house at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		294.60		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		449.60		
i	Improvements to Roads and Drains Adjacent to St. Johns School at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		741.60		
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		233.46		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		455.11		
m	Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		414.30		
n	Improvements to Roads and Drains Bhadrappa Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		711.68		
o	Improvements to Foothpaths at Sahakaranagar in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		594.20		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		1096.98		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		1080.90		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		771.00		
s	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Opp. RMV Cluster Appartments to Railway Gate near Vyasa School in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		1714.96		
2	**Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)**	Sqm	**14231.41**	80.56	**1146482.16**

Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
a	Improvements to Roads and Drains at Jakkur Layout Colony in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		172.20		
b	Improvements to Roads and Drains at Nethaji Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		1149.00		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		398.40		
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		967.50		
g	Improvements to Roads and Drains near Chikka Muniyappa house at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		172.80		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		918.00		
i	Improvements to Roads and Drains Adjacent to St. Johns School at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		708.99		
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		870.30		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		679.20		
m	Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		594.14		
n	Improvements to Roads and Drains Bhadrappa Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		844.47		
o	Improvements to Foothpaths at Sahakaranagar in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		166.32		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		1231.65		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		1636.86		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		900.28		
s	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Opp. RMV Cluster Appartments to Railway Gate near Vyasa School in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		2821.30		
3	**Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2016-17)**	Sqm	**1036.27**	825.74	**855686.29**
a	Improvements to Roads and Drains at Jakkur Layout Colony in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		73.80		
b	Improvements to Roads and Drains at Nethaji Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		96.00		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		24.00		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		54.00		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		24.00		
n	Improvements to Roads and Drains Bhadrappa Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		29.43		

Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
o	Improvements to Foothpaths at Sahakaranagar in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		18.48		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		336.60		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		210.54		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		46.20		
s	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Opp. RMV Cluster Appartments to Railway Gate near Vyasa School in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		123.22		
4	**Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)**	Sqm	**4082.24**	665.68	**2717463.44**
a	Improvements to Roads and Drains at Jakkur Layout Colony in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		504.00		
b	Improvements to Roads and Drains at Nethaji Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		135.00		
c	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		351.00		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		75.60		
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No.7 Byatarayanpura, Kodigehalli Sub Divison.		67.50		
g	Improvements to Roads and Drains near Chikka Muniyappa house at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		277.20		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		108.00		
i	Improvements to Roads and Drains Adjacent to St. Johns School at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		52.11		
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		56.70		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		64.80		
m	Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		66.02		
n	Improvements to Roads and Drains Bhadrappa Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		37.80		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		157.95		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		415.80		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		1208.08		

Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
s	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Opp. RMV Cluster Appartments to Railway Gate near Vyasa School in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		504.68		
5	**KSRRB M200-13.1. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications. II. By mechanical means, A. Cement concrete Grade M-15 & M-20 (P.No.137, I.No.18.20 of PW,P&IWTD SR 2016-17)**	Cum	**160.20**	**466.20**	**74685.24**
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		153.00		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		7.20		
6	**KSRRB M200-15.2. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications. iii) Dismantling Stone Masonry B. Rubble Stone maonry in cement mortar (P.No.138, I.No.18.27 of PW,P&IWTD SR 2016-17)**	Cum	**21.60**	**371.64**	**8027.42**
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		21.60		
7	**KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)**	Cum	**412.12**	**5348.76**	**2204304.23**
a	Improvements to Roads and Drains at Jakkur Layout Colony in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		88.73		
c	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		2.40		
d	Improvements to Roads and Drains in Shabari Bakery Road at Kempapura in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		65.40		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		74.81		

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Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		18.00		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		16.80		
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		6.29		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		4.39		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		33.30		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		102.00		
8	**KSRB 5-14: providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800 kg/m3 of size solid block 400x150x200mm having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No. 5.4 (P.No.24, I.No.5.26.2 of PW, P&IWTD SR 2016-17)**	Sqm	**348.00**	**961.42**	**334574.16**
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		72.00		
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		180.00		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		96.00		
9	**KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13.(using available stones) (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)**	Cum	**17.28**	**2784.62**	**48118.23**
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		17.28		
10	**KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.No.143, I.No.5.6 of PW,P&IWTD S.R 2016-17)**	Cum	**162.81**	**4438.22**	**722586.60**
c	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		8.64		

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Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		43.47		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		48.60		
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		36.72		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		21.06		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		4.32		
11	**KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.113, I.No.15.1 of PW, P&IWTD S.R 2016-17)**	Sqm	**347.40**	**102.82**	**35719.67**
c	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		14.40		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		92.70		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		108.00		
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		61.20		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		35.10		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		36.00		
12	**KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2015-16)**	Cum	**49.86**	**5767.46**	**287565.56**
c	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		0.96		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		11.58		
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		13.50		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		12.60		

Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		4.08		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		2.34		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		4.80		
13	**Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)**	Sqm	**355.20**	**1817.00**	**645398.40**
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		355.20		
14	**Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)**	Sqm	**208.80**	**5317.00**	**1110189.60**
c	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		14.40		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		11.70		
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		61.20		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		35.10		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		86.40		
15	**KSRRB M300-52.2. Scarifying Existing Bituminous surface to a depth of 50mm by Mechanical Means. Scarifying the existing bituminous road surface to a depth of 50mm and disposal of scarified material and complete as per specifications. MORTH Specification No. 305.4.3 (P.No.148, I.No.19.59 of PW,P&IWTD S.R 2016-17)**	Sqm	**1897.50**	7.71	**14629.73**
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		1897.50		
16	**KSRRB M300-52.2. Scarifying Existing Bituminous surface to a depth of 50mm by Mechanical Means. Scarifying the existing bituminous road surface to a depth of 50mm and disposal of scarified material and complete as per specifications. MORTH Specification No. 305.4.3 (P.No.148, I.No.19.59 of PW,P&IWTD S.R 2016-17)**	Sqm	**11721.00**	46.20	**541510.20**

Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
i	Improvements to Roads and Drains Adjacent to St. Johns School at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		4154.50		
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		3085.50		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		4481.00		
17	**KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)**	Cum	**3935.48**	148.76	**585442.30**
a	Improvements to Roads and Drains at Jakkur Layout Colony in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		177.45		
b	Improvements to Roads and Drains at Nethaji Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		115.74		
c	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		293.00		
d	Improvements to Roads and Drains in Shabari Bakery Road at Kempapura in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		633.30		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		342.75		
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		71.62		
g	Improvements to Roads and Drains near Chikka Muniyappa house at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		580.35		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		240.62		
m	Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		11.55		
n	Improvements to Roads and Drains Bhadrappa Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		198.05		
o	Improvements to Foothpaths at Sahakaranagar in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		16.75		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		836.53		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		74.28		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		210.20		
s	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Opp. RMV Cluster Appartments to Railway Gate near Vyasa School in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		133.30		

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Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
18	**KSRRB M300-Construction of Subgrade and Earthen Shoulders. KSRRB M300-55. Construction of sub-grade and earthen shoulders with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305**	Cum	**75.00**	350.86	**26314.50**
I	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		75.00		
19	**KSRRB M400-6.2: Construction of granular sub-base by providing Close graded material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with mortar grader on prepared surface and compacting with vibratory roller to achieve the desired density, complete as per specifications. A Plant Mix methad For Grading II Material (P.No.155, I.No.20.4.2 of PW,P&IWTD SR 2016-17)**	Cum	**70.00**	1665.26	**116568.20**
n	Improvements to Roads and Drains Bhadrappa Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		70.00		
20	**KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)**	Cum	**6314.16**	**1768.08**	**11163932.94**
b	Improvements to Roads and Drains at Nethaji Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		96.45		
c	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		202.00		
d	Improvements to Roads and Drains in Shabari Bakery Road at Kempapura in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		450.00		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		193.75		
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		534.06		
g	Improvements to Roads and Drains near Chikka Muniyappa house at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		483.63		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		224.58		

Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
i	Improvements to Roads and Drains Adjacent to St. Johns School at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		1038.63		
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		702.15		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		983.70		
m	Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		10.63		
n	Improvements to Roads and Drains Bhadrappa Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		124.68		
o	Improvements to Foothpaths at Sahakaranagar in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		11.81		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		781.03		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		61.63		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		262.75		
s	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Opp. RMV Cluster Appartments to Railway Gate near Vyasa School in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		152.70		
21	**KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)**	Sqm	**26300.82**	**29.68**	**780608.34**
b	Improvements to Roads and Drains at Nethaji Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		385.81		
c	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		1010.00		
d	Improvements to Roads and Drains in Shabari Bakery Road at Kempapura in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		1800.00		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		775.00		
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		2136.24		
g	Improvements to Roads and Drains near Chikka Muniyappa house at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		1934.50		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		898.30		
i	Improvements to Roads and Drains Adjacent to St. Johns School at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		4154.50		
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		3085.50		

Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		4481.00		
m	Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		46.20		
n	Improvements to Roads and Drains Bhadrappa Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		489.50		
o	Improvements to Foothpaths at Sahakaranagar in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		47.25		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		3158.10		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		246.52		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		1041.60		
s	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Opp. RMV Cluster Appartments to Railway Gate near Vyasa School in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		610.80		
22	**KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)**	Sqm	**49142.18**	**3.18**	**156272.13**
b	Improvements to Roads and Drains at Nethaji Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		3383.19		
c	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		75.00		
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		1295.26		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		2191.70		
m	Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		4794.80		
n	Improvements to Roads and Drains Bhadrappa Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		3110.00		
o	Improvements to Foothpaths at Sahakaranagar in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		2169.25		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		5821.90		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		6226.98		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		5602.90		
s	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Opp. RMV Cluster Appartments to Railway Gate near Vyasa School in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		14471.20		

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Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
23	**KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)**	Sqm	**86163.80**	**12.72**	**1096003.54**
b	Improvements to Roads and Drains at Nethaji Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		3769.00		
c	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		1185.00		
d	Improvements to Roads and Drains in Shabari Bakery Road at Kempapura in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		1800.00		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		2337.50		
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		5048.50		
g	Improvements to Roads and Drains near Chikka Muniyappa house at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		1934.50		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		3662.80		
i	Improvements to Roads and Drains Adjacent to St. Johns School at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		4154.50		
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		4786.50		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		6231.00		
m	Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		4841.00		
n	Improvements to Roads and Drains Bhadrappa Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		3536.50		
o	Improvements to Foothpaths at Sahakaranagar in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		2216.50		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		11232.50		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		6926.50		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		7419.50		
s	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Opp. RMV Cluster Appartments to Railway Gate near Vyasa School in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		15082.00		

Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
24	**KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507 (P.No.162 I.No. 21.17.6 of PW,P&IWTD S.R 2016-17)**	Cum	**429.04**	**7036.28**	**3018873.72**
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		27.50		
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		80.85		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		12.60		
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		85.05		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		87.50		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		68.25		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		28.54		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		38.75		
25	**KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)**	Cum	**3100.00**	**8013.60**	**24842160.00**
b	Improvements to Roads and Drains at Nethaji Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		150.76		
c	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		47.40		
d	Improvements to Roads and Drains in Shabari Bakery Road at Kempapura in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		72.00		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		71.50		

Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		137.26		
g	Improvements to Roads and Drains near Chikka Muniyappa house at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		77.38		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		123.60		
i	Improvements to Roads and Drains Adjacent to St. Johns School at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		166.18		
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		123.42		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		179.24		
m	Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		193.64		
n	Improvements to Roads and Drains Bhadrappa Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		141.46		
o	Improvements to Foothpaths at Sahakaranagar in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		88.66		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		394.70		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		263.74		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		265.78		
s	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Opp. RMV Cluster Appartments to Railway Gate near Vyasa School in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		603.28		
26	**Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) ((P.No.177, I.No.22.6.1 of PW,P&IWTD SR 2016-17)**	Cum	**554.48**	**6217.96**	**3447703.37**

Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
a	Improvements to Roads and Drains at Jakkur Layout Colony in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		288.38		
d	Improvements to Roads and Drains in Shabari Bakery Road at Kempapura in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		65.40		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		60.75		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		37.95		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		102.00		
27	**Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.177, I.No.22.7 of PW, P&IWTD SR 2016-17)**	Sqm	**4443.00**	**95.40**	**423862.20**
a	Improvements to Roads and Drains at Jakkur Layout Colony in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		2202.50		
d	Improvements to Roads and Drains in Shabari Bakery Road at Kempapura in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		436.00		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		405.00		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		379.50		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		1020.00		
28	**Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete (P.No.25, I.No.5.30 of PW,P&IWTD S.R 2016-17)**	No.	**400.00**	331.78	**132712.00**
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		400.00		
29	**KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No.182, I.No. 24.1 of PW.P&IWTD SR 2016-17)**	Sqm	**63.00**	63.60	**4006.80**
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		63.00		

Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
30	**KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)**	Sqm	**3014.60**	542.72	**1636083.71**
b	Improvements to Roads and Drains at Nethaji Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		172.50		
c	Improvements to Roads and Drains at Kempapura Neeru Bhavi Muniyappa Layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		45.00		
d	Improvements to Roads and Drains in Shabari Bakery Road at Kempapura in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		90.00		
e	Improvements to Roads and Drains at Sneha nagar in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		73.75		
f	Improvements to Roads and Drains at L&T Colony Near Amrutha Clinic in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		112.00		
g	Improvements to Roads and Drains near Chikka Muniyappa house at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		66.25		
h	Improvements to Roads, Drains and Footpath from Sanjeevinianagar Ashwatha katte to Kodigehalli Main Road at Ravishanakar residency layout in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		120.00		
i	Improvements to Roads and Drains Adjacent to St. Johns School at Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		185.00		
j	Improvements to Roads and Drains in front of Shriya Residency Near Old Police Station Amruthahalli in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		99.40		
l	Improvements to Roads and Drains in Amruthanagar B-Sector Near Amruthahalli New Police Station in Ward No 7 Byatarayanpura, Kodigehalli Sub Divison.		155.50		
m	Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		163.00		
n	Improvements to Roads and Drains Bhadrappa Layout in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		180.00		
o	Improvements to Foothpaths at Sahakaranagar in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		77.00		
p	Improvements to Foothpaths Roads and Footpath in Kannuramma temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		371.00		
q	Improvements to Foothpaths Roads and Footpath in Bhavi Muneshwara temple main Road and Surrounding areas in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		256.00		
r	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Near Jalageramma temple Road in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		280.00		
s	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Opp. RMV Cluster Appartments to Railway Gate near Vyasa School in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		568.20		

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Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
31	**Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction (P.48, I. 9.4) PRED.SR 2012-13**	Each BW	**3.00**	1882.00	**5646.00**
s	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		3		
32	**Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13 - 0 to 50m**	Rmtr	**150.00**	306.00	**45900.00**
s	Improvements to Foothpaths Roads and Footpath to Lottegollahalli Main Road Opp. RMV Cluster Appartments to Railway Gate near Vyasa School in Ward No 8 Kodigehalli, Kodigehalli Sub Divison.		150.00		
33	**Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13 - 50 to 100m**	Rmtr	**150.00**	400.00	**60000.00**
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		150.00		

Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
34	**Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13 - 100 to 150m**	Rmtr	**150.00**	445.00	**66750.00**
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		150.00		
35	**Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13 - 150 to 200m**	Rmtr	**150.00**	470.00	**70500.00**
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		150.00		
36	**Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13 - 200 to 250m**	Rmtr	**150.00**	544.00	**81600.00**
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		150.00		
37	**Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty P. iii, I No. 84 PRED SR 2012-13**	Rmtr	**150.00**	1325.00	**198750.00**

Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		150.00		
38	**Providing 250mm dia PVC Pipe 6kg/cm SE PRED Approved Rate**	Rmtr	**54.00**	754.47	**40741.38**
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		54.00		
39	**Providing and fixing 160mm Borewell Cap P. iii, I No. 85**	Rmtr	**3.00**	100.00	**300.00**
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		3.00		
40	**Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 25 stage. ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps PWD SR 2016-17 P. XXXXII Item No. 24 including of all taxes-12.5 HP 25 Stage**	No	**3.00**	60400.00	**181200.00**
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		3.00		
41	**Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008**	Rmtr	**750.00**	375.00	**281250.00**
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		750.00		
42	**Heavy Duty Collar 50 mm dia**	No	**132.00**	130.00	**17160.00**
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		132.00		

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Sl. No.	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
43	**Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 6 Sqm mm KPWD Electrical SR 2014-15**	Mtr	**1530.00**	188.70	**288711.00**
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		1530.00		
44	**Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) (As per rate approved KUWS & DB for year 2008-09**	Nos	**3.00**	3000.00	**9000.00**
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		3.00		
45	**Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P No. 44 / I No. 6.6.6 KPWD Electrical SR 2014-15**	Each	**3.00**	302.00	**906.00**
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		3.00		
46	**Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15**	Mtr	**90.00**	140.40	**12636.00**
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		90.00		
47	**Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15**	Mtr	**90.00**	10.80	**972.00**
t	Construction of RO Water Purifier Plant at Balaji Layout, Devinagar and BB Nagar in Ward No 08 Kodigehalli, Kodigehalli Sub Division		90.00		

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